

SEQUENCE LISTING

SEQ ID NO: 1

ABHI cDNA sequence:

5 AAAGAGACGAACTGAAGAAAAACCTCTCGGAAGAAGATGAGCAATTGGAAAAAC
TCTTCTCCTTCGCATCGGCGAAAAGGGACCTGAGTACGGCACTTCCTCCGACTAC
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CCTTTGTATGGGACTTTGATTGGTTTGTGAACTTGGAGAATGAAGATTTTGTCCA
10 GAAGCTAGTAGAAAGTGTCCACGCTAATTTCCAGGTCGCTTTAGATTCTGGCAAC
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TATTCAACCTGCTTCTTTGATTGTCGCTTTCGAAACATTGCTATCATCTGCTGCCA
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ACGTTATATGCATCTTGTCCAGCCTCCCGTGGGGAGGATCAGAACTCGCTGAGCA
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15 CGAAAGAATTCTTCCACCTCTGGGTAAACTTTTTTCAACCGGAGAATTTGAAA
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5 SEQ ID NO: 2

ABH1 Protein sequence

MSNWKTL L L R I G E K G P E Y G T S S D Y K D H I E T C F G V I R R E I E R S G D Q V L P F L L Q C A E Q L P
 H K I P L Y G T L I G L L N L E N E D F V Q K L V E S V H A N F Q V A L D S G N C N S I R I L L R F M T S L L C S K
 V I Q P A S L I V V F E T L L S S A A T T V D E E K G N P S W Q P Q A D F Y V I C I L S S L P W G G S E L A E Q V P D
 10 E I E R V L V G I Q A Y L S I R K N S S T S G L N F F H N G E F E S S L A E K D F V E D L L D R I Q S L A S N G W K L
 E S V P R P H L S F E A Q L V A G K F H E L R P I K C M E Q P S P S D H S R A Y S G K Q K H D A L T R Y P Q R I R
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 A E T L F S Q I L L L P Q P P F K T L Y Y T L V I M D L C K A L P G A F P A V V A G A V R A L F E K I S D L D M E S
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 I E E T I Y P V H G F E V T L T I V V Q T L L D I G S K S F T H L V T V L E R Y G Q V F S K L C P D N D K Q V M L L S
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 N A L N K T Y N R I S D L R K D I S N I T K N V L V A E K A S A N A R V E L E A A E S K L S L V E G E P V L G E N P
 A K M K R L K S T V E K T G E A E L S L R E S L E A K E A L L N R A L S E T E V L L L L F Q S F L G V L K E R L P
 20 D P T K V R S V Q D L K S I G A E D D K P S A M D V D S E N G N P K K S C E V G E R E Q W C L S T L G Y L T A F
 T R Q Y A S E I W P H M E K L E S E V F S G E D V H P L F L Q A I S S A L Q F P L H

SEQ ID NO: 3

1250 bp *ABH1* genomic sequence containing the promoter

25 G A A A G G G A A A C T C A G C C A G C C T C G G T A A A A C A T C T T C T T C T G T T T G C C T T T C T C
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 T T T T A T C A T G A G T T A A T C T T T G A C A C A A G A A A C A T C T C T T T C T A A T C T G T T C A T A
 G T C A A A A G A A A T T G T G A C A A C T T C A C C A G A T G G A A G T T G T A C C T C T T T A T T G T T A
 C G A A G T G G A T T G G C G A C A T G A A A C A A A A C C C G A A C A C G A A C A T A G T C C T G A A A C
 30 T G T G A T T T T C A G A G T C C A T C A C C A C C T C C T T C A C T T C C C C A A T A C A G C T C G T G A T
 C T C T T T A A T T G T G T C C T G A G T A T A A T A G T T C A C C G A A A T A T T C C T C A C T C G A C C C C
 A G A T T G G A A G A A A A T T C A G A T A A T C A A T T G G A G G A T T C T C A A T C C A T C T A T C C A T
 G A C T A C A C C C C A A T T T A T C T T C T G T C C A A A C T C C A A T T T T C A T A A T T T C T T C T A A A
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 C C T T T G A T T C T C T A G A T T C A A A A C C T A C C C A A C T A A C G A C A G T T G T T T C T G T T A A
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 A C A T A T T C T G A A T G G C T T T A T C C A G C T C C A T G A T G A G A T C C T G A T A G A G A G A T A A A
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